

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: STREETWORKS

Report Number: P560028

Luminaire Tested: **SDL-PA1-20-740-U-T2R-A**

Issue Date: 7/26/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P560028  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 7/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: SDL-PA1-20-740-U-T2R-A  
Description: Springdale  
(1) 70 CRI, 4000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE II R OPTICS  
AND CLEAR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2559 lumens  
Efficiency: N/A  
Efficacy: 122.4 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 1.08')  
IES Classification: Type II - Medium  
BUG Rating: B1 - U2 - G1

Input Watts (W): 20.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

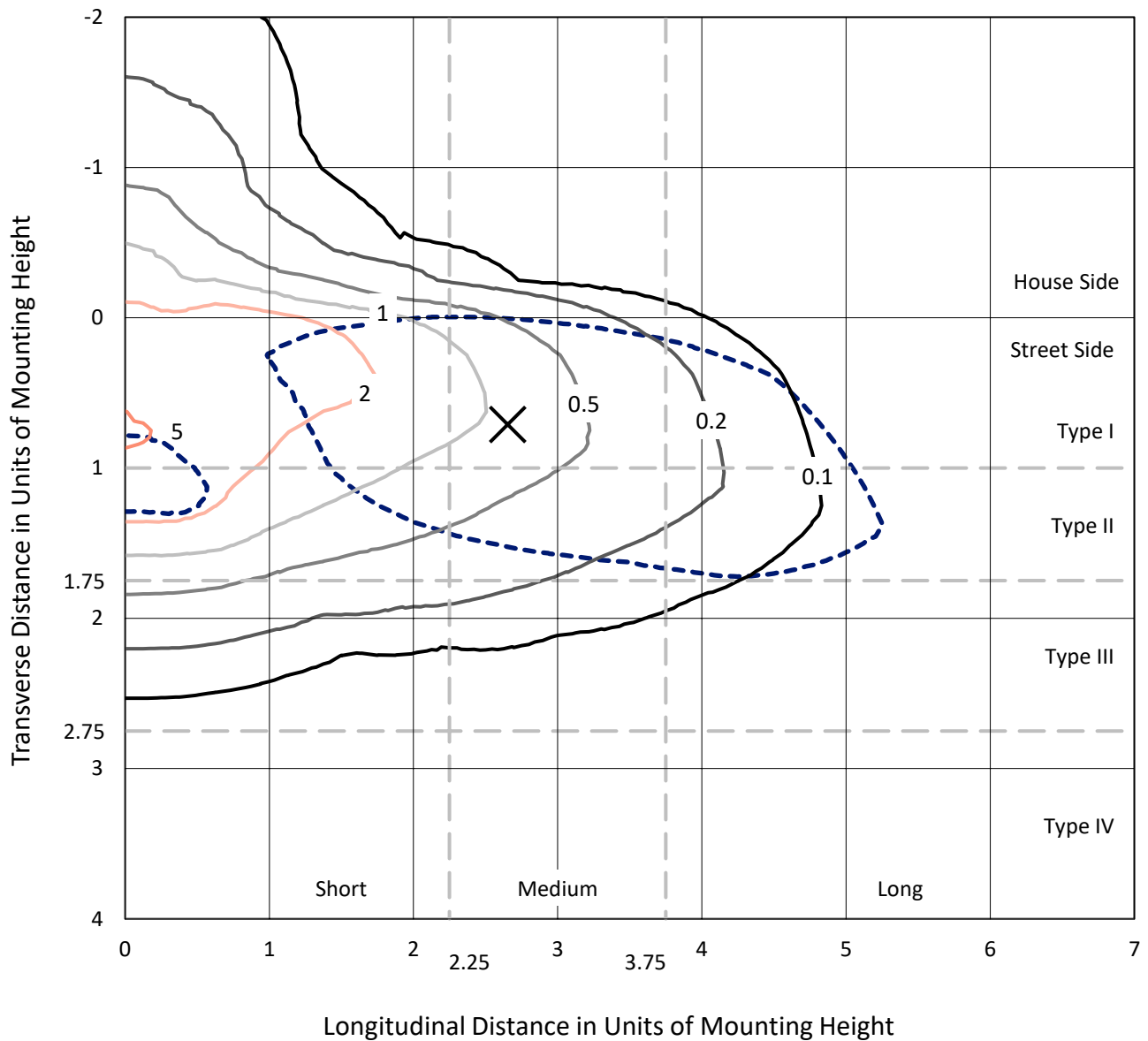


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### Iso-Footcandle Lines of Horizontal Illumination

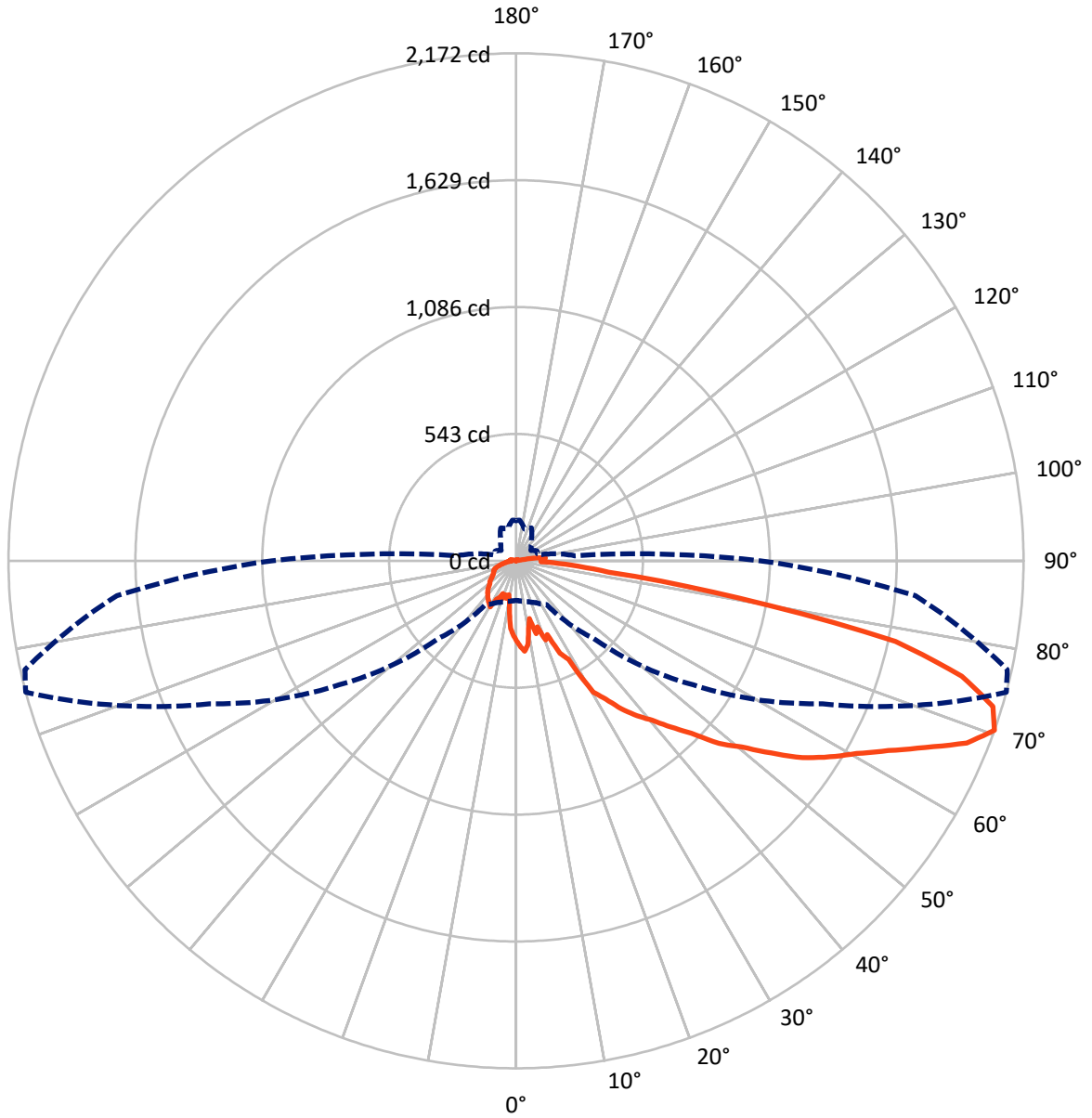
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.3 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical



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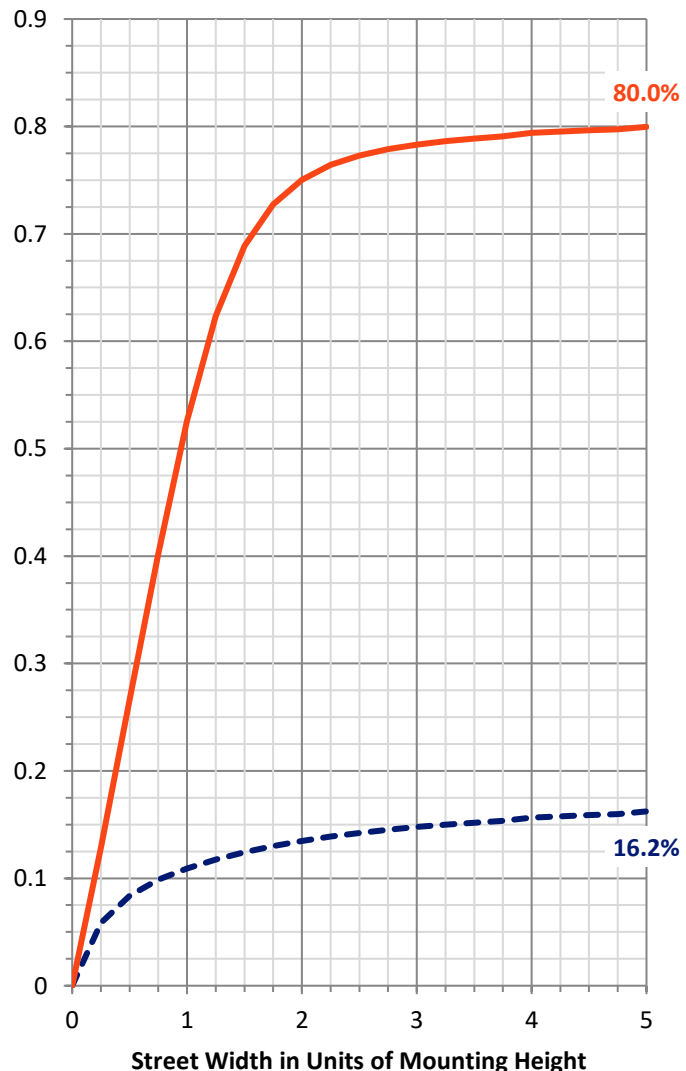
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	437.5	26.2	463.6
	% Fixture	17.1	1.0	18.1
<b>Street Side</b>	Lumens	2062.2	33.1	2095.3
	% Fixture	80.6	1.3	81.9
<b>Total</b>	Lumens	2499.7	59.3	2559.0
	% Fixture	97.7	2.3	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	28.6	1.1
10°-20°	74.6	2.9
20°-30°	134.8	5.3
30°-40°	275.4	10.8
40°-50°	432.4	16.9
50°-60°	531.0	20.7
60°-70°	528.1	20.6
70°-80°	390.6	15.3
80°-90°	104.4	4.1
90°-100°	38.6	1.5
100°-110°	9.0	0.4
110°-120°	4.3	0.2
120°-130°	3.8	0.1
130°-140°	1.8	0.1
140°-150°	0.9	0.0
150°-160°	0.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2499.7	97.7
0°-180°	2559.0	100.0



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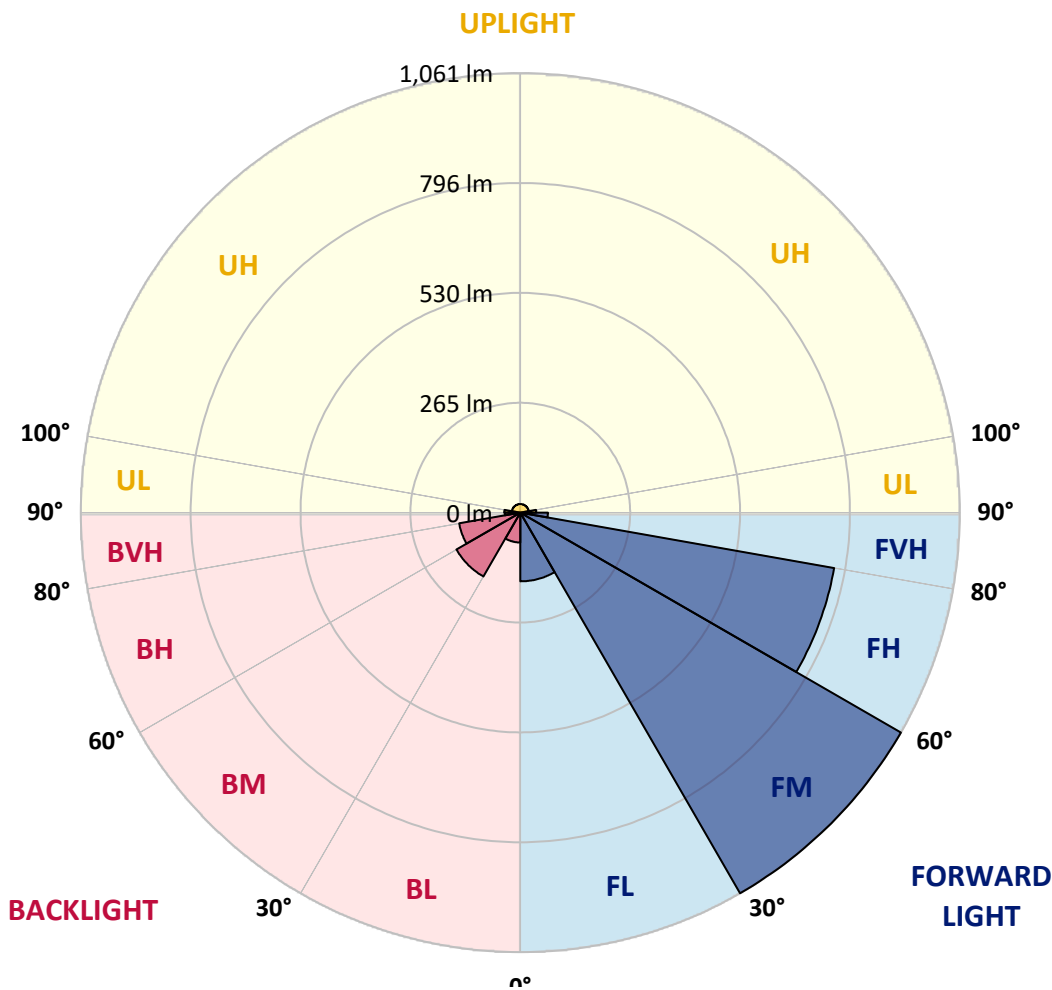
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	165.9	6.5			
FM (30°-60°)	1060.7	41.5			
FH (60°-80°)	769.0	30.1			G1/1800
FVH (80°-90°)	66.6	2.6			G1/100
BL (0°-30°)	72.1	2.8	B0/110		
BM (30°-60°)	178.0	7.0	B0/220		
BH (60°-80°)	149.6	5.8	B1/500		G1/500
BVH (80°-90°)	37.7	1.5			G1/100
UL (90°-100°)	38.6	1.5		U2/50	
UH (100°-180°)	20.7	0.8		U2/50	

**BUG Rating: B1-U2-G1**

Type II Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
0°	343	343	343	343	343	343	343	343	343	343	343
2.5°	356	376	385	395	404	399	391	379	368	364	352
5°	393	391	390	387	382	373	362	405	388	381	361
7.5°	346	401	407	413	411	400	386	347	362	353	328
10°	423	423	421	423	400	382	327	304	293	317	294
12.5°	360	392	432	440	405	355	332	321	253	250	268
15°	419	424	425	427	345	372	307	285	323	314	317
17.5°	337	342	407	403	371	297	359	322	297	286	282
20°	424	425	422	341	358	388	336	326	362	361	346
22.5°	361	362	373	411	370	392	338	407	343	344	267
25°	483	484	474	366	416	368	410	366	438	424	391
27.5°	507	470	432	454	397	457	390	443	476	473	478
30°	643	645	619	497	465	451	450	526	652	657	574
32.5°	871	859	731	613	501	550	505	609	705	702	615
35°	975	963	915	757	579	594	570	648	778	755	656
37.5°	1063	1061	1021	834	658	680	609	696	841	817	698
40°	1139	1132	1097	903	739	740	658	754	897	903	739
42.5°	1202	1196	1167	972	787	793	710	813	972	983	803
45°	1228	1231	1211	1034	830	841	772	873	1052	1061	860
47.5°	1247	1248	1243	1085	876	881	833	927	1168	1150	927
50°	1204	1200	1205	1124	916	922	884	983	1251	1228	997
52.5°	1091	1096	1148	1104	929	941	932	1032	1366	1348	1097
55°	807	829	979	1022	928	949	976	1125	1487	1460	1182
57.5°	653	653	741	882	877	944	1021	1188	1583	1564	1267
60°	524	524	572	700	778	919	1067	1281	1674	1663	1342
62.5°	411	410	450	522	638	864	1091	1361	1788	1786	1462
65°	297	301	335	380	501	761	1090	1433	1925	1931	1597
67.5°	220	222	241	274	344	631	1042	1483	2080	2070	1683
70°	169	172	180	197	229	469	926	1448	2172	2153	1715
72.5°	142	143	142	151	153	318	742	1315	2134	2104	1627
75°	121	120	119	121	113	210	532	1113	1970	1918	1437
77.5°	104	103	99	100	90	155	363	873	1660	1538	1080
80°	86	86	83	83	76	118	232	602	967	870	562
82.5°	67	66	66	68	65	92	152	300	399	374	263
85°	36	36	41	46	45	56	116	177	236	228	147
87.5°	11	11	12	15	16	30	73	86	107	118	116
90°	12	11	8	9	10	22	68	83	108	120	123
92.5°	14	13	8	8	10	18	65	81	118	130	133
95°	15	14	8	8	10	16	58	80	126	142	142
97.5°	14	13	6	7	9	14	45	66	88	97	112
100°	12	12	4	6	8	10	26	36	26	25	25
102.5°	11	11	4	5	6	7	12	19	6	7	9
105°	11	12	3	4	4	4	6	10	5	6	9
107.5°	11	12	3	3	4	3	3	4	5	6	10



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
112.5°	7	7	2	3	3	3	2	3	5	7	10
115°	5	4	2	3	2	3	2	3	5	7	9
117.5°	4	3	2	2	2	2	1	3	6	8	11
120°	4	4	2	2	2	2	1	3	9	10	14
122.5°	4	4	2	2	2	2	1	2	8	11	15
125°	4	4	2	2	2	2	1	2	7	10	13
127.5°	4	4	2	1	2	2	2	2	6	8	11
130°	4	4	2	1	2	2	2	2	5	6	9
132.5°	3	3	2	1	2	1	1	2	4	5	7
135°	2	2	2	1	2	1	1	1	2	3	5
137.5°	1	2	1	1	2	1	1	1	1	1	2
140°	1	1	1	1	2	1	1	1	1	1	1
142.5°	1	1	1	1	2	2	1	1	1	1	1
145°	1	1	1	1	3	2	1	1	1	1	1
147.5°	1	1	1	4	3	2	1	1	1	1	1
150°	5	5	5	4	3	2	3	1	1	1	1
152.5°	5	5	6	3	2	1	1	4	3	2	2
155°	4	3	3	1	1	1	1	1	3	4	4
157.5°	1	1	2	1	1	1	1	1	2	1	1
160°	0	0	0	1	1	1	1	1	1	1	1
162.5°	0	0	0	0	0	0	0	0	0	0	0
165°	0	0	0	0	0	0	0	0	0	0	0
167.5°	0	0	0	0	0	0	0	0	0	0	0
170°	0	0	0	0	0	0	0	0	0	0	0
172.5°	0	0	0	0	0	0	0	0	0	0	0
175°	0	0	0	0	0	0	0	0	0	0	0
177.5°	0	0	0	0	0	0	0	0	0	0	0
180°	0	0	0	0	0	0	0	0	0	0	0





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	343	343	343	343	343	343	343	343	343	343	343
2.5°	345	337	318	304	287	272	259	230	225	222	221
5°	345	328	291	246	211	203	199	199	197	198	199
7.5°	306	283	227	192	198	198	199	194	178	180	177
10°	268	239	171	156	171	172	195	204	207	208	208
12.5°	247	206	148	153	138	158	186	208	189	179	179
15°	284	244	166	134	136	158	141	197	204	206	206
17.5°	255	215	152	138	152	130	159	181	173	164	163
20°	306	254	170	135	134	154	141	148	185	186	185
22.5°	238	203	151	153	134	147	139	153	146	145	146
25°	330	263	174	132	140	130	140	129	155	157	158
27.5°	404	314	185	143	122	133	125	129	120	125	127
30°	481	366	226	158	129	114	116	115	130	129	127
32.5°	506	373	216	165	128	115	106	113	124	133	134
35°	531	378	208	158	125	108	104	116	125	126	129
37.5°	560	382	200	148	116	106	103	108	128	126	123
40°	587	384	190	139	106	104	96	108	113	117	119
42.5°	635	396	182	131	99	99	92	101	116	118	117
45°	670	392	171	124	92	88	90	110	117	129	127
47.5°	720	402	158	113	86	81	85	107	120	129	131
50°	769	400	147	104	82	77	94	104	118	133	133
52.5°	833	403	142	96	77	77	97	105	121	131	131
55°	890	392	130	93	76	74	98	109	122	131	132
57.5°	932	370	121	90	75	76	98	118	114	131	134
60°	978	346	113	90	75	79	101	125	125	137	137
62.5°	1041	331	109	91	73	82	110	136	126	145	146
65°	1094	311	106	95	74	86	115	145	132	154	153
67.5°	1095	281	102	99	75	89	115	151	139	162	159
70°	1047	251	96	99	78	92	115	155	140	175	172
72.5°	944	205	87	95	83	96	121	154	140	189	186
75°	803	164	75	87	83	101	125	153	135	180	174
77.5°	611	134	63	76	79	103	125	151	131	168	164
80°	315	94	51	65	74	101	124	143	117	149	147
82.5°	173	69	41	48	62	95	120	129	103	122	117
85°	112	50	33	39	52	79	101	102	73	88	83
87.5°	84	29	21	24	36	44	64	66	46	54	51
90°	88	29	22	25	32	33	47	50	36	41	41
92.5°	94	29	23	26	29	26	37	41	30	33	32
95°	96	28	25	27	26	21	30	33	25	25	25
97.5°	70	20	25	27	24	17	23	26	16	13	13
100°	19	10	24	26	21	14	20	20	10	7	7
102.5°	8	8	21	23	16	9	14	14	7	3	3
105°	8	6	15	17	11	5	7	8	5	3	3
107.5°	8	6	7	9	5	4	4	4	3	3	3



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	10	7	4	5	4	3	3	3	4	9	9
115°	9	6	4	4	3	3	2	2	4	11	11
117.5°	10	7	4	4	3	2	2	2	5	13	13
120°	12	8	4	3	2	2	2	2	6	14	14
122.5°	13	9	4	3	2	1	2	3	7	14	14
125°	11	8	4	3	2	1	2	3	7	13	14
127.5°	10	7	4	2	2	1	1	3	6	10	12
130°	8	6	3	2	2	1	1	2	6	9	11
132.5°	7	5	3	2	2	1	1	2	6	8	8
135°	5	4	2	2	2	1	2	1	4	7	7
137.5°	3	2	2	2	2	1	1	1	3	4	4
140°	1	1	2	2	2	1	1	1	2	2	2
142.5°	1	1	2	2	2	1	1	1	2	2	2
145°	1	1	1	2	2	1	1	1	1	1	2
147.5°	1	1	1	2	1	1	1	1	1	1	2
150°	1	1	1	2	2	1	1	2	2	2	2
152.5°	1	1	2	2	1	1	1	2	2	2	2
155°	3	3	2	2	1	1	0	1	2	2	2
157.5°	1	1	2	1	1	1	0	1	1	1	1
160°	1	1	1	1	1	1	0	1	1	1	1
162.5°	0	0	0	0	0	0	0	0	0	0	0
165°	0	0	0	0	0	0	0	0	0	0	0
167.5°	0	0	0	0	0	0	0	0	0	0	0
170°	0	0	0	0	0	0	0	0	0	0	0
172.5°	0	0	0	0	0	0	0	0	0	0	0
175°	0	0	0	0	0	0	0	0	0	0	0
177.5°	0	0	0	0	0	0	0	0	0	0	0
180°	0	0	0	0	0	0	0	0	0	0	0

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



Report Generated By 670245982

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Peachtree City, GA 30269

Scaled Data Report



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110° | 10 10 2 3 3 3 2 3 5 7 10

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
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Peachtree City, GA 30269

Scaled Data Report





110° | 9 6 4 5 4 3 3 3 3 4 5

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(END OF REPORT)